

**CURRENT STATUS OF ALL CLAIMS**

1-10. Canceled.

11. (Previously amended) A method of screening for a compound for promoting wakefulness in a mammal, comprising:

(a) contacting a PrRP receptor with one or more candidate compounds under conditions wherein PrRP promotes interaction of PrRP receptor with an AMPA receptor associated protein;

(b) identifying a compound that promotes said interaction;

(c) providing said compound, and

(d) determining the ability of said compound to promote wakefulness.

12. (Original) The method of claim 11, wherein said AMPA receptor associated protein is selected from the group consisting of GRIP, GRIP2 and PICK1.

13-40 (Canceled).

41. (Previously Presented) The method of claim 11, wherein the ability of said compound to promote wakefulness is determined by a method selected from the group consisting of EEG measurement, EMG measurement and wake time measurement.

42. (Previously Presented) The method of claim 11, wherein the ability of said compound to promote wakefulness is determined by administering said compound to a mammal selected from the group consisting of a human, a non-human primate, a rat and a mouse.